

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1.-20. (Canceled)

21. (New) A fixing device for a multipolar magnetic ring on a gear configured to be driven in axial rotation by an electric motor, the fixing device comprising:

at least one stop element fixed to the gear and configured to engage with a corresponding anchor projection on the magnetic ring in a first coupling direction approximately parallel to a plane of the gear; and

at least one retaining clip fixed to the gear and configured to engage with a corresponding retaining projection on the magnetic ring in a second coupling direction approximately perpendicular to the plane of the gear upon elastic deformation of the retaining clip,

wherein the at least one stop element and the at least one retaining clip immobilize the magnetic ring against the gear.

22. (New) The fixing device according to claim 21, wherein the anchor projection and the retaining projection are fixed to a same side wall of the magnetic ring, such that the retaining projection is positioned opposite to the anchor projection.

23. (New) The fixing device according to claim 21, wherein the magnetic ring is open and comprises two anchor projections, each of which is fixed to a free end thereof, and the retaining projection is positioned approximately equidistant from the anchor projections.

24. (New) The fixing device according to claim 21, wherein the at least one stop element is able to exert an axial pressure stress on the corresponding anchor projection, and wherein the at least one retaining clip cooperates with the corresponding retaining projection.

25. (New) The fixing device according to claim 24, wherein the anchor projection comprises an axial bearing surface tilted in a downward direction with respect to a plane of the magnetic ring.

26. (New) The fixing device according to claim 25,
wherein the at least one stop element comprises a convex axial bearing surface, and
wherein the axial bearing surface of the corresponding anchor projection is approximately flat.
27. (New) The fixing device according to claim 21, wherein a height of the anchor projection is lower than a height of the magnetic ring, and wherein the anchor projection is fixed to an end of the magnetic ring.
28. (New) The fixing device according to claim 21, wherein the distal portion of the anchor projection is beveled.
29. (New) The fixing device according to claim 21, wherein the fixing device further comprises at least one clamping element fixed to the gear, and configured to exert a radial pressure stress on a side wall of the magnetic ring.
30. (New) The fixing device according to claim 29, wherein the pressure stress of the at least one clamping element is guided in the coupling direction of the at least one anchor projection and the corresponding stop element.
31. (New) The fixing device according to claim 29, wherein the at least one clamping element comprises an elastically deformable outgrowth, a distal portion of which is configured to cooperate by contact with a corresponding side wall of the magnetic ring.
32. (New) The fixing device according to claim 29, wherein when the fixing device comprises a plurality of clamping elements, the clamping elements positioned with regard to the same side wall are evenly distributed with regard to the entire length of said side wall.
33. (New) The fixing device according to claim 21, wherein the fixing device further comprises at least one guiding lip fixed the gear, and complementary to a side wall of the magnetic ring.
34. (New) The fixing device according to claim 21, wherein an end face of the magnetic ring is beveled on an inside and on an outside.

35. (New) The fixing device according to claim 21, wherein the at least one stop element is at the end of a recess configured to guide an engagement of the corresponding anchor projection with the stop element, while the magnetic ring is tilted relative to a plane of the gear.
36. (New) A motor reducer, comprising:
- a gear comprising at least one retaining clip;
 - a multipolar magnetic ring supported by the gear and comprising at least one anchor projection and at least one retaining projection; and
 - a fixing device comprising at least one stop element fixed to the gear,
- wherein the at least one stop element is configured to engage with a corresponding anchor projection in a first coupling direction approximately parallel to a plane of the gear,
- wherein the at least one retaining clip is configured to engage with a corresponding retaining projection in a second coupling direction approximately perpendicular to the plane of the gear, and
- wherein the at least one stop element and the at least one retaining clip immobilize the magnetic ring against the gear.